Centeral Monitor GSM/telephone auto switch alarm system

USER MANUAL

8 Group zone/51 detectors/7 hard Wired detectors/one 12v alarm output

Thank you for choosing our panel
Please read the manual carefully before fixing it.

Quick reference

00: C.S. Comms. 11= send out information about arming, disarming and alarms; 10 = only send out the alarm information; 00= not net work.

01: Exit delay time. The time is double-digit (XX). The actual time is the product of XX times 5. The initialization value is 04 = 20 seconds.

02: Entry delay time (delay alarm). The time is double-digit (XX). The actual time is the product of XX times 5. The initialization value is 06 = 30 seconds.

03: Sounder run time. The time is double-digit (XX). The actual time is the product XX times 20. The initialization value is 06 = 120 seconds

04: Watchdog time. The unit time is hours.

05:Watchdog start and stop time window. Default setting is from 8:00 to 20:00.

06: Set time to Arm. Press * or #, select the time point(6 time points in all) enter the time desired. To cancel this set, press Delete key. Refer to figure 11.

07: Set time to Dis-Arm. Press * or #, select the time point(6 time points in all) enter the Time desired. To cancel this set, press Delete key. Refer to figure 12.

08: no use

09: PIN code set, this a 6 digit code for the remote access, Keypad Dis-Arm. Enter the required PIN No using the numeric keypad on the panel. Cancel the PIN No using the Delete key on the panel.

10: Set number of ringing in times before answer.

11. Arming with sounder ON/OFF 0: no sounder when arming 1: sounder when arming

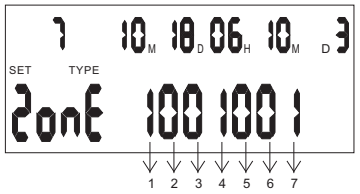
12: Two way communication 0: NO 1: YES

13: Engineer Option. Listen to dial out DTMF. 0 : NO 1: YES

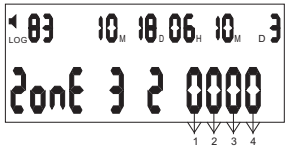
14: Mains Fail alarm. The panel will alarm when mains power fails 0 : NO 1:YES

15: exit delay timer with sounder ON/OFF 0: ON 1:OFF

16: Phone line cut alarm: 0: NO 1: YES



1	1:watchdog zone	0:not a watchdog zone
2	1:exit delay	0:no exit delay
3	1:entry delay	0:no entry delay
4	1:24 hours zone	0:not 24 hours zone
5	1:sounder when alarming	0:silent when alarming
6	1:armed zone	0:part armed zone
7	1:sensor in the zone	0:no sensor in the zone



1	1= local alarm only, when disarmed;	0=Normal detector
2	1= detector will be door bell, when disarmed;	0=not door bell
3	1= key fob request assistance with sounder;	0=key fob request assistance no sounder
4	1= display detector low voltage on LCD;	0=Cancel detector low voltage display

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1.OVERVIEW

1.1 Introduction

1. Blue backup LCD display everything you want to konw about the panel.
2. Full compliance with ADEMCO Contact ID.
   a. when alarming, you can hear which sensor in which zone is alarming
   b .voice prompt you how to operate for every step
3. 85 event logo about arming \ disarming \ alarming (with data stamp), viewable directly on the panel LCD.
4. 12 seconds voice message, in case ofalarming,automatically playing after you pick up your phone.
5. Any of the detector can be door bell when disarmed ; any detector can be local siren when disarmed.
6. Monitor the old,the sick and the important place:when the old or the sick doesn't move, or the important warehouse hasn't human presence for a period of time, the panel will alarm.
7. Any zone type programmable(including:watchdog zone,exit/entry delay,24 hours zone,sounder/silent when alarming,armed/part armed zone,sensor/no sensor in the zone)
8. Panel can receive the detector low voltage signal and display zone number and detector number on the LCD and sound a beep
9. 7 wired terminals, 12v alarm output, 12v power output(continous), wired siren terminal
10. 6 time points of timed Auto-Arming/disarming(24 hour mode)
11. Wireless detector installing test
12. Listen in and speak function
13. Away arming with siren sounder ON
14. any zone can be seperately armed/disarmed
15. Built-in high capacity rechargeable battery, auto charge/discharge

1.2 Basic Principle of Operation

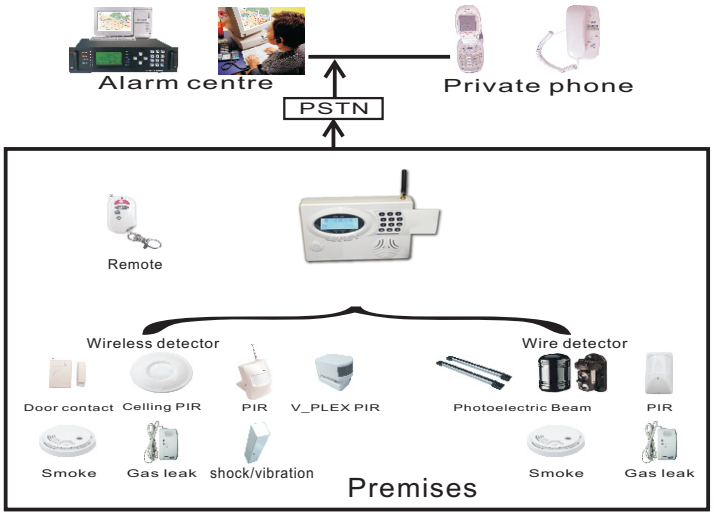


Figure1:Basic principle of operation

1 To register Key fobs
2 To register Detectors
3 To set Zone type
4 To set System configuration
5 To set C.S phone NO and site code

→ Press PROG key

→ Press registered remote key fob or enter your PIN

→ SENSOR appears on LCD ready to register key fob or detectors

→ To register Key fobs

Activate the key fob to be register CODE appears on LCD, confirming the code has been received. Press 0 to select key fob zone. Unit will auto register key fob with next reg. No , eg. If already 2 key fobs registered, the new key fob will be allocated No 3.Press PROG to save the code. SENSOR appears again to register more devices or press registered key fob.

OR

→ To register sensors

Activate the detector to be registered CODE appears on LCD, confirming the code has been received Press 1--8 to select the zone you wish the detector to be allocated to. Unit will auto register the detector with next reg. No, eg, if already 3 detectors registered, the new detector will be allocated No 4. Press PROG to save the code. SENSOR appears again to register more devices or press registered key fob.

OR

→ To set zone type

Press * key ,LCD will display ZONE TYPE, press 1---8 to select zone, select 1 or 0 for all 7 fields per zone. Press PROG to save. Press * key, LCD will display ZONE TYPE to reset the other ZONE TYPE or press registered key fob.

OR

→ To set system config

Press # key, LCD will display SYS CONFIG, press 00 to 15 to select the configuration of the system. Press PROG to save. Press # key, LCD will display SYS CONFIG to re_configure the system or press registered key fob.

OR

→ To set C.S phone number

Press * key, then press # key, the LCD will display PHONE , press 1 and display current C.S. Pry 1 phone No, enter new Pry 1 phone No, press PROG to save the phone, press * key then # key, the LCD will display PHONE, press 2 and display current C.S. Pry 2 phone No, enter new Pry 2 phone No, press PROG to save, using this way, can set C.S. Account in Pry 7. or other private phone No, press the registered key fob.

7. PROG the system configuration code ：
Press PROG key--- enter the pin code or press disarm key of registered remote ---press # key– press the 00 to 16 to select the configuration code-- -select 0or 1 - -press the PROG to store . Then you can continue to PROG the panel - - -press #- -press any Number from 0to 5- - - select 0or 1 - -press the PROG to store .

8. PROG the panel 's time ：
GSM panel time is decided by the GSM service. When you send sms to the gsm panel, and panel got it correct, it would auto keep the correct time according to the gsm service.
9. How to program the SMS of every zone, every alarm:
Sending the SMS to the panel by the mobile phone, program the SMS: “ 12345601the first zone fire active ” (123456 is the factory default pin code, if you have already changed it, use your new pin code) , - - -then press the *key and hold it for about 2seconds , the U display in the panel - - -then you send the SMS - - -the panel will sound 1,3 or 3 means correct , 2 means pin code is wrong , 3 means No is wrong . When panel sounds 1, that means zone 1sms is successfully set . Then when detectors in zone one alarm , you will receive the sms .

Program the sms for other zones:
xxxxxx02 zone two active , panic alarm
xxxxxx03 zone three active, the exit \entry zone alarm
xxxxxx04 zone four alarming
xxxxxx05 zone five alarming
xxxxxx06 zone six alarming
xxxxxx07 zone seven activated, interior zone alarm
xxxxxx08 zone eight activated , watchdog zone alarm
xxxxxx09 remote panic alarm
xxxxxx10 tamper alarm
xxxxxx11 phone line cut alarm
xxxxxx12 main fails alarm
xxxxxx13 pin code input wrong for 3 times
xxxxxx14 the panel armed
xxxxxx15 the panel disarmed

9 . Check the SMS setting status：
Press the event/disarm key and hold it for 2 seconds , the ”GSM ” on LCD would flash . This indicates the panel is sending all the program sms to programmed mobile numbers.
If your mobile receives “01 02 03，set sms ok ” - - - -this indicates : the zone 1 2 3 SMS have been set.
If your mobile receives “01 05 13，set sms ok ” - - - -this indicates : the zone 01 05 13 SMS have been set .
If your mobile receives “ set sms ok ” - - that means you have not set any SMS

10 .Testing the panel：
Press the arm key on the remote---the panel will display the armed zone in the LCD---trigger the sensor in the armed zone---panel will alarm - - -if the SMS have set , the “GSM ” will flash , the panel will send the SMS to the phone number you set . when gsm is flashing , the panel can not be disarmed) - - - when the “ GSM ” is on , indicating the SMS sent . if(there is no SMS set , the panel will dial the number without sending the SMS) when the user picks up the phone , press *key to confirm the alarm , then the panel will play the voice user recoded , and then told you which zone, which dector is alarming by voice. Press 9 to listen the information again.

The above chart shows the basic principle of operation of the System. The security system contains alarm panel, remote key fob, pir detectors, door/window magnetic contact and high decibel integral siren Also available are some optional Devices such as wired/ wireless Smoke detectors, Gas detector, Flood detector, Temperature detector.The wireless detector Communicates to the Control Panel by radio on 433 MHZ Frequency and each detector has an approximate range of 50 Metres dependent on the Local Environments. The wired detector are also workable.

1.3 Component Parts

The wired/Wireless Alarm Panel:

This 8 Zone Alarm panel is the central information processor of the system, receiving and dealing with all the Alarm Signals from the various Detectors. It also contains the central Station communicator and By-directional Audio Verification mechanism.

Everything you need to know about the security system is displayed on the panel keypad LCD. The zones, 24 Hours, Armed, Part armed, Disarmed and the important Messages regarding system status are displayed on the LCD screen. See section 2.1 and 2.2

Wireless Remote Key Fob:

The remote key fob is used to Arm,part arm,disarm the system or to request Assistance from the C.S. This could mean the summoning of the Emergency Services such as Police, Fire, Ambulance or just a member of the family. It is also used in the Programming and device registration for system access.

1.4 Optional Extra Detectors available

Wired/Wireless Magnetic Door / Window contact: (option)

The Magnetic Door contact is used to detect the opening of doors or windows. When activated it will transmit an alarm signal to the Control Panel to indicate a door or window has been compromised. It consists of detector with an integrated wireless transmitter and magnet.

Wired/Wireless PIR detector: (option)

The Passive Infrared detector responds to mobile body heat emissions. If anyone enters the area of an Armed Zone, once the infrared detector in that Armed Zone detects their presence it will transmit an alarm signal to the Control Panel.

Wired/Wireless Smoke detector: (option)

The Smoke detector is used to detect potentially dangerous smoke emissions in the home. Once the detector detects the presence of smoke as a danger and possible Fire Risk it will transmit an alarm signal to the control panel and also activate its own integral local sounder.

Wired/Wireless Combustible Gas detector: (option)

The combustible gas detector will detect potentially dangerous gas emissions within its location. It should be fitted in any area where there is a possibility or risk of Gas Leaks or emissions.

Once The Combustible Gas detector detects unacceptable levels of combustible Gas it will transmit an alarm signal to the Control Panel and also activate its own integral local sounder.

Wiredless shock/vibration detector: (option)

Glass Break detector: (option)

The glass break detector should be placed at home where close to glass. When the glass is broken, the detector could detect the particular frequency and then transmitting an alarm signal to the control panel.

2 DESCRIPTION

2. 1 The Keypad

ARMED ON	= ARMED
PART ARMED ON	= PART ARMED
ALARM ON	= NEW ALARM LOG
ALARM FLASH	= ALARM OR COMMUNICATION
POWER ON	=AC POWER
POWER OFF	=BATTERY USING
Event/Disarm	Event LOG/Disarm; Press and hold it for 2 seconds, check the SMS information
Prog	Program
Del/Sensor	Delete/Sensor check
Arm	Manual ARM or PART ARM

* voice — turn on/off voice; press and hold it for 2 seconds enter SMS setting

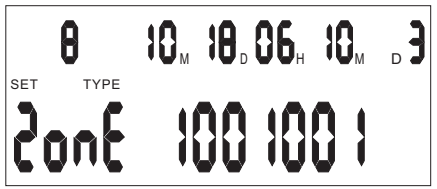
9 RF out — RF transmit for wireless siren

0 OGM — recording the owner voice/ playback the voice

— Press (walk test) or Press & hold up (alarm with/without sounder)

Figure 2:keypad description

Zone 8 selected



The above shows No 8 zone configured, a watchdog zone (24 hour armed), there are Sensors in this Zone.

BasicFlow chart for registering devices,sSet zone type,set system configuration and program C.S. phone numbes and site code in disarmed mode.

GSM Setting simple manual:

1. Insert the GSM SIM card into the panel , Connect the antenna on the top and screw the screw cap. Not too tight. Plug in the adatpor , and turn on the back switch on PCB .

2. After 30 seconds, the panel connect to gsm network, and LCD show the time

3. connect the phone line (optional), if you connect the phone line, the panel would send SMS by gsm sim card first (if the sms is set in the alarming zone) then dial from the telephone line. If there is no telephone line ,the the panel would send sms by gsm sim card first (if the sms is set in this alarming zone) then dial from the gsm sim card also.

4. Register the remote: press the PROG key---input the factory default pin code 123456—press the remote key--- “ code ” display in the LCD, indicating the panel receive a wireless signal---press the numeric key 0, 0 stands for remote ---press the PROG key to store the data. Then you can register other remote same as above steps.

5. Register the sensor: press the PROG key---enter the pin code or press the Disarm key on a current registered remote - - -trigger the sensor - - - “code ” displays in the LCD , indicating the panel receives a wireless signal---press the numeric 1 to 8 , select the zone number—press the PROG key to store the data. Then you can register other sensors same as above steps.

In any step, you can press the disarm key of the remote to escape.

Note: when you select the zone:

Zone 1 is 24hours zone fire alarm (detectors in the zone also alarm in disarmed mode)

Zone 2 is 24hours zone panic alarm(detectors in the zone also alarm in disarmed mode)

Zone 3 is entry/exit zone (extry /exit delay timer)

Zone 4.5 6 are normal zones

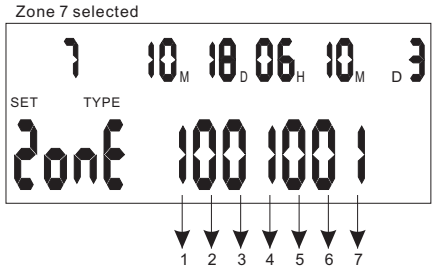
Zone 7 is interior zone : detectors in this zone do not alarm in part arm

Zone 8 is watchdo g zone : detector alarms when no movement for a programmed period

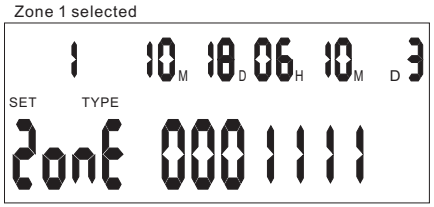
6. PROG the phone number:

Press the PROG key---enter the pin code or press the registered remote ---press * then # key—press the1 to 6 for selecting the phone number position---input the phone number---press the PROG to store. Then you can continue to PROG the panel—press * # ---press the 1 to 6 to choose phone position--- input the phone number---press the PROG to store.

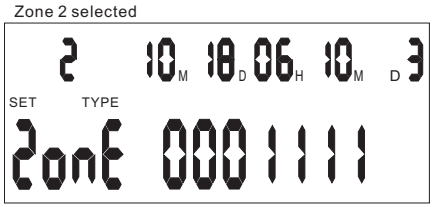
5 ZONE CONFIGURATION AND EXPLANATION



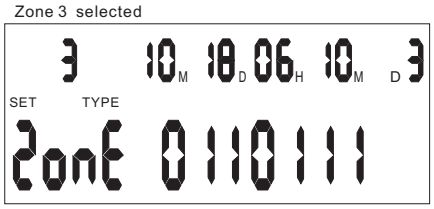
1	1:watchdog zone	0:not a watchdog zone
2	1:exit delay	0:no exit delay
3	1:entry delay	0:no entry delay
4	1:24 hours zone	0:not 24 hours zone
5	1:sounder when alarming	0:silent when alarming
6	1:armed zone	0:part armed zone
7	1:sensor in the zone	0:no sensor in the zone



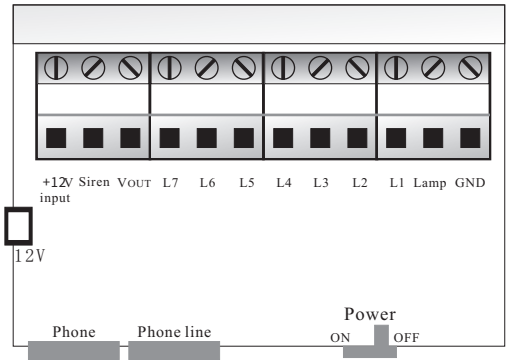
The above shows Zone **1** is Configured to be a 24 hour zone, Active Sounder when Arming and there are Sensors in this zone.



The above shows Zone 2 is configured to be a panic zone, Active Sounder when Arming and there are Sensors in this zone.



The above shows that the No 3 zone configured to be a Entry/Exit, Active Sounder when Arming and there are sensors in this zone.



Note:
GND: the negative electrode of the power supply , siren , wired detector and alarm output

L1.L2.L3.L4.L5.L6.L7 (wired detector):
The signal wire of the wired detector

Lamp output control signal when alarm

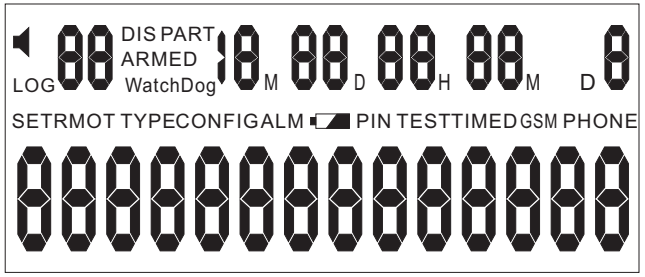
12v: power input
siren : output 12V of the wired siren or other accessories when alarm
vout : 12V output power for wired accessories

Figure 3: The back view of the panel

Everything you need to know about your Security System is displayed on the Panel keypad. The zones armed or disarmed and the important messages regarding system status appear on the LCD screen.

2. 2 The LCD Character details and description

2.2.1 The panel LCD screen whole information shows as follows:



ON=Sounder as alarm
OFF=Silent as alarm

ARMED	Panel armed
DIS ARMED	Panel disarmed
PART ARMED	Panel part armed
Watchdog	Avaible
LOG	Event log
M	Month
D	Day
H	Hour
M	Minute
D	Weekday

SET	Set program
RMOT	Remot
TYPE	Zone type
CONFIG	System config
ALM	Alarm
	Wireless sensor battery low voltage
PIN	Pin code
TEST	Walk test
TIMED	Timed auto arm or disarm
GSM	flahsing: group sending SMS on gsm is dialing
PHONE	C.S. Phone or user owner phone

Figure 4: All the info. the LCD displays

If no action has been performed on the keypad and the panel is in the DISARMED mode, the panel LCD screen will show as following:

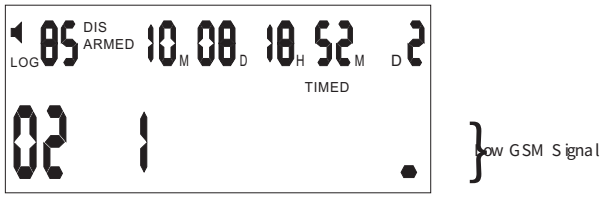


Figure5 : LCD display when disarmed

◀ : it means that the panel has been set to sounder alarm

85 : It means there are 85 items of information (including alarm information, Armed / disarmed information and others).

10_M 8_D : It means the date: November 8th.

18_H 52_M : It means the time: 18:52

$_D2$: It Means weekday Tuesday.

Timed : It means timed auto arming/disarming has been programmed

02 : It means there are 2 items of alarms which have not been viewed. After Viewing the information, the display02 will disappear.

1 : It means that the No. 1 zone armed within 8 zones from No.1 to No.1 8 Zone.

2.2.2 When the panel is set in the away armed mode,the LCD screen will show the following :

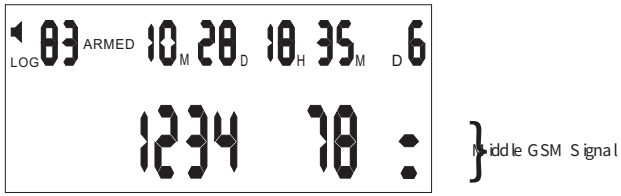


Figure 6: LCD display when part armed

The meaning of the characters as follows:

83:Means there are 83 items of information (including alarm information, Armed/Disarmed information and others).

1234 78 : Means that Zone No. 1, 2, 3, 4,7and 8 zones are armed.

Zones 5 & 6 are Un-Armed as there are no sensors in the two zones

2.2.3 When there is an alarm, the panel LCD will show as following:

If after 15 seconds the user does not press the * key to confirm the alarm, the panel will auto dial next phone number.

After the entry of the listening in status, the next operating steps are same as the remote control In section 4.9 previous.

4.11 Detector Battery Low Voltage Display On the Panel And Introduction

When detector has been in the low voltage state, it will not run correctly. The Panel can receive the detector low voltage signal and display on the LCD and sound a beep to indicate user to replace detector's battery in time.

Low voltage display and introductions:

A: When the panel is in the DISARMED mode, if the detector such as PIR detects itself being low voltage, the panel will sound a beep every seconds and display the signal On the LCD continually.

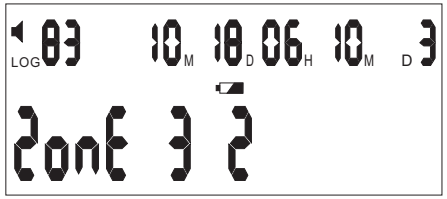


Figure 23: Detector No 2 in zone 3 is low voltage

B: When the panel is in the Armed/PART Armed mode, if the detector such as PIR detects itself being low voltage, the panel will sound a beep every seconds and display the signal armed zone and detectors No on the LCD alternately.

C: Even if the panel LCD displays the detector low Voltage, the operation also can be done normally on the panel and stop provisionally low voltage display.

How to cancel the low voltage display:

A: Press 'Delete' key and - - - appears on the LCD. Press registered Key Fob or enter your PIN, LCD will display 'DEL Sensor' use keypad to select zone(s) 1 to 8. Use Keypad to select Detector(s) 1 to 9. Program the 4th field with 0. Press Key Fob Exit. (Refer to figure 25)

B: Press the key Fob, the beep and display would stop for one hour.

N.B.: When the battery has been replaced, the user must program the 4the field with 0 manually. And then the panel will display normally.

After entering correct PIN code the panel will follow the instructions given using the DTMF tones from the keypad of the remote phone.

Press 1 to tell the panel to switch to listen in mode

Press 2 to tell the panel to switch to speak mode

Press 3 to tell the panel to switch its sounder ON

Press 4 to tell the panel to switch listening in OFF

Press 5 to tell the panel to terminate the call, disengage the phone line

Press 6 to tell the panel to switch its sounder OFF

Press 7 to tell the panel to ARM

Press 8 to tell the panel to DIS ARM

4.9 Listen in and speak through telephone

When the phone connected to the panel is call ed ,and the phone rings , press a single key on the telephone directly , then the user could Listen in the premise and speak to the occupants.

4.10 Alarm confirming

When the panel reports an alarm event to the C.S.it does so by using Ademco contact ID protocol. After the data is transferred to the C.S. The operator then has access to the customer details, address, name, phone numbers, key holders etc.He also has audio access to the premises.He can listen-in or speak to the occupants,this will allow the C.S. operator to request a pre-arranged password to confirm the identity of the person he is speaking to or make a challenge to an unindented occupant.The C.S. operator will take the appropriate action determined by the circumstances at the time.

The C.S. Pry 1 and Pry 2 phone numbers are located in fields 1 and 2 and the account code is located in field 7 in the PHONE program and configuration. In addition to above procedure the panel has the ability to report alarm incidents to up to 4 private telephone numbers. These dedicated numbers must be programmed into fields 3 to 6 of the PHONE program and configuration. These numbers are referred to as USER numbers.

After reporting an alarm event to the C.S., once the C.S. has terminated the call the panel Can be programmed to call the USER numbers in sequence, i.e No3 field First, then 4 etc. When the panel dials the user phone number and the user answers the telephone, there will be a beep sound from the panel showing that the phone is being answered. The user then presses the * key on USER hand set to confirm the alarm, on doing so the panel will allow the USER to listen-in the premises.

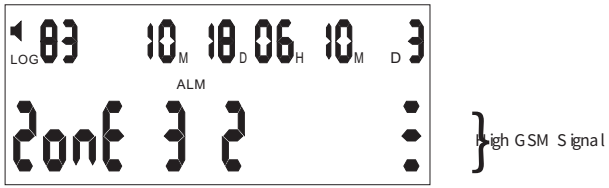
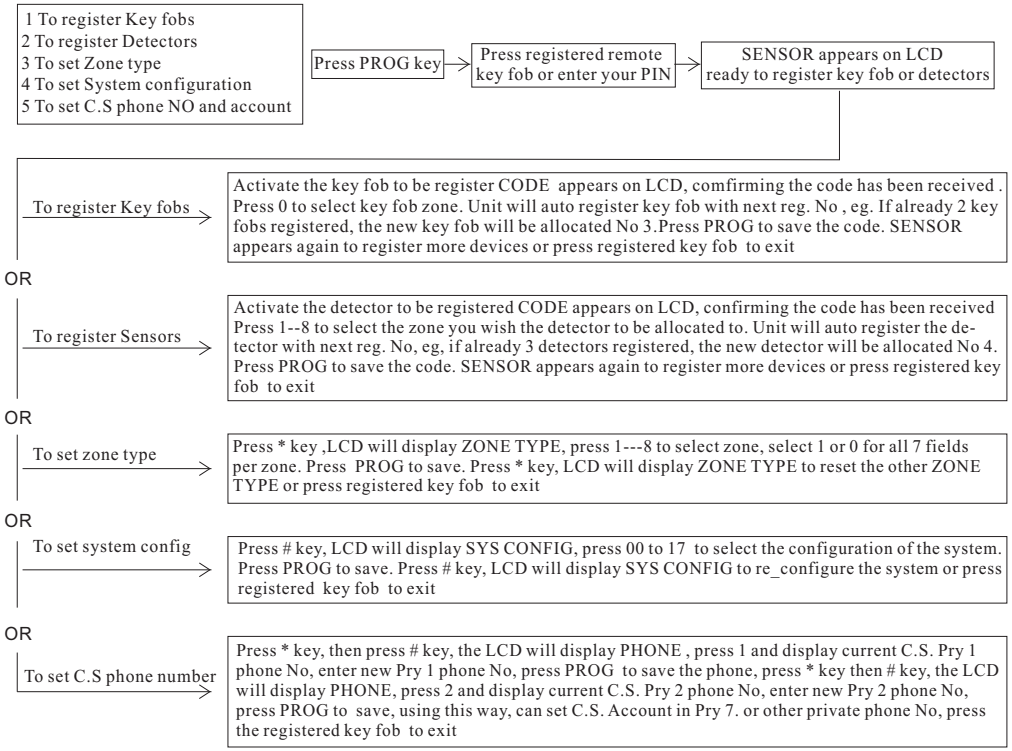


Figure7 : LCD display when alarmed

The figure shows that Zone 3 detector No2 has generated the Alarm signal at 6:10 on 18th, Oct.

3 INSTALLATION INFORMATION

3.1 The Basic Flow Chart for Registering Devices, Set Zone Type, Set System Configuration and Program C.S. phone numbers and Site Code in Disarmed mode.


1 To register Key fobs
2 To register Detectors
3 To set Zone type
4 To set System configuration
5 To set C.S phone NO and account
Press PROG key
Press registered remote key fob or enter your PIN
SENSOR appears on LCD ready to register key fob or detectors
To register Key fobs
Activate the key fob to be register CODE appears on LCD, comfirming the code has been received . Press 0 to select key fob zone. Unit will auto register key fob with next reg. No , eg. If already 2 key fobs registered, the new key fob will be allocated No 3.Press PROG to save the code. SENSOR appears again to register more devices or press registered key fob to exit
OR
To register Sensors
Activate the detector to be registered CODE appears on LCD, confirming the code has been received Press 1--8 to select the zone you wish the detector to be allocated to. Unit will auto register the detector with next reg. No, eg, if already 3 detectors registered, the new detector will be allocated No 4. Press PROG to save the code. SENSOR appears again to register more devices or press registered key fob to exit
OR
To set zone type
Press * key ,LCD will display ZONE TYPE, press 1---8 to select zone, select 1 or 0 for all 7 fields per zone. Press PROG to save. Press * key, LCD will display ZONE TYPE to reset the other ZONE TYPE or press registered key fob to exit
OR
To set system config
Press # key, LCD will display SYS CONFIG, press 00 to 17 to select the configuration of the system. Press PROG to save. Press # key, LCD will display SYS CONFIG to re_configure the system or press registered key fob to exit
OR
To set C.S phone number
Press * key, then press # key, the LCD will display PHONE , press 1 and display current C.S. Pry 1 phone No, enter new Pry 1 phone No, press PROG to save the phone, press * key then # key, the LCD will display PHONE, press 2 and display current C.S. Pry 2 phone No, enter new Pry 2 phone No, press PROG to save, using this way, can set C.S. Account in Pry 7. or other private phone No, press the registered key fob to exit

3.2 Registering Key Fobs

Logging in Key Fob: Press the PROG key on the Keypad, a series of - - - will appear on the LCD. Enter the PIN code or Press the Disarm key on a current registered Key Fob and the word 'Sensor' will appear on the LCD (when logging in the first keyfob, pin code is needed, the factory default pin code is: 123456); Using the key fob you wish to register, press the disarm key on the Key Fob, the panel will receive the Key Fob code and the LCD will show the word 'CODE' (refer to below figure 8) . Press 0 key on the Keypad to identify you are registering a Key Fob. The LCD will now display the Key Fob number that it has allocated to that Key Fob. Press the PROG Key to complete and save the information. The Key Fob is now registered and recognized by the control panel.

If no further actions take place the panel will automatically return to normal state after approximately 30 seconds. Otherwise at the end, press the Dis-Arm key on a registered Key Fob to return the panel to normal state.
Note: whenever a PIN code is necessary ,if you enter a wrong PIN code for 3 times ,the Panel will alarm automatically. refer to figure 24

Figure 8

3.3 Registering Sensors

Logging in Sensors: Press the PROG Key on the Keypad, a series of - - - will appear on the LCD. Enter the PIN code or Press the Disarm key on a current registered Key Fob and the word 'Sensor' will appear on the LCD. Trigger the detector you wish to register, the Panel will receive the detectors code and the word 'CODE' will appear on the LCD (refer to figure 8). Pressing a numeric key 1 to 8 on the Keypad will select the Zone you wish to allocate the detector. e.g. Pressing No 3 on the Keypad will allocate the detector to Zone 3. The control panel will then automatically allocate the detector with the next available detector number in that Zone. So, if there are no detectors allocated in Zone 3 the control panel will allocate it as detector No 1 and the next detector to be registered in Zone 3 will be allocated detector No 2 etc. To complete and save the information press PROG key.

If no further actions take place the panel will automatically return to normal state after approximately 30 seconds. Otherwise at the end, press the Dis-Arm key on a registered Key Fob to return the panel to normal state.

4.5 Selectable key fob require assistance with/without sounder

How to set the function: Press 'Delete' key and - - - appears on the LCD. Press the disarm key on the registered Key Fob or entering the preprogrammed PIN code, LCD will display 'DEL Sensor' Use Key pad to select Zone(s) 0, then select key fob number 1 to 9.Program the character of the Key Fob with 0 or 1 to suit. Press Key Fob or ESC to save and exit. refer to figure 25.

4.6 Omitting a Zone

It may be a requirement to temporarily omit a selected Zone or a number of Zones when the system is armed. When a zone is selected to be omitted it will only be omitted for current operation. When next time your System is armed, the omitted ZONE or ZONES will be re-enstated into the system.

Note: The function is suitable for the armed zone or zones. But 24 hour zone can never be omitted.

How to Omit a zone or zones: Press Arm button on the panel, then using the numeric keypad on the panel press the number of the zone want to be omitted, then press the Disarm key, enter the PIN code to complete the operation.

4.7 Sounder or Silent alarm setting:

How to set the function: Press the # key for 2 seconds when the panel is in disarmed mode, the symbol of speaker displays or disappears; When it displays, the panel would alarm with sounder ON, while when it disappears, the panel will alarm silently.
Note: Whether the key fob alarms with/without sounder subjects to its own configuration. When the panel is set with silent alarm, the key fob will still be sounder alarm if it is set with sounder alarm.

4.9 Access the Control Panel from a remote telephone (mobile or land line)

The Remote Control enables the use of the land line phone or mobile phone to remotely control panel. Call the phone number of the line connected to the alarm panel, the panel will answer the call after 1 to 8 rings (programmable). When the panel answers the call enter the pre-programmed 6 digit PIN code on the phone keypad to gain access to the Panel.

If the correct 6 digit PIN code is entered a long tone will be emitted from the panel. If the PIN code is incorrect, three short tones will be emitted from the panel.You must try again and enter the correct PIN code.

4.2 24 Hours Arming

24 hours arming is used for the detectors (i.e. smoke detector and gas detector etc), These zones are armed 24 hours whether the system is armed or disarmed. They can at no time be omitted or disarmed.

4.3 Selectable Zone Arming

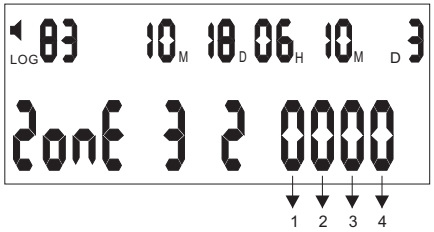
This facility allows only a particular selected zone or only a particular selection of zones to be armed. This is of great use when requiring temporary protection in a selected area while the premises is occupied.

How to action Selectable Zone Arming: Using the numeric Keypad on the panel, press the number of the Zone you wish to arm (refer to 1 to 8 zone), then press the ARM key to arm. When both the Armed and Disarmed lights illuminate arming is completed. The armed zones will be displayed on the LCD alongside with the 24 hour zones.

4.4 Selectable Detector Alarming Local only or Local and C.S.

This facility allows particular detectors in each Zone to be local alarm only or local alarm and transmit alarm information to the C.S,each detector can be configured differently e.g. local Alarm only or local Alarm and C.S. function, door bell function or in the case of Key Fob, Request Assistance with / without sounder.

How to set the function: press 'Deleter' key and - - appears on the LCD. Press registered Key Fob or entering the preprogrammed PIN code, LCD will display 'DEL Sensor' Use Key pad to select Zone(s) 1 to 8. Use Key pad to select detector(s) 1 to 9. Program each of the 3 fields of the detector with 0 or 1 to suit. Press Key Fob or ESC to save and exit.



1 1= local alarm only, when disarmed; 0=Normal detector
2 1= detector will be door bell, when disarmed; 0=not door bell
3 1= key fob request assistance with sounder; 0=key fob request assistance no sounder
4 1= display detector low voltage on LCD; 0=Cancel detector low voltage display

Note: field 1,2,4 are for detector; field 3 is for Key fob

Figure 22: Detector features setting

3.4 Installing wired detector and its zone setting:

Various wired detector could be connected to the panel via the N.C terminal. Seven wired connection in all, and the terminals for connection are 1\2\3\4 \5\6\7, GND is the common GND terminal.

Zone setting: After connecting well the wired detector to the panel, press the PROG key on the keypad, a series of ----- appear on the LCD. Enter the PIN code or press the Disarm key on a registered key fob and the word 'Sensor' will appear on the LCD. Trigger the detector you wish to register, the panel will receive the detectors code and the word 'CODE' will appear on the LCD.Pressing a numeric key 1 to 8 on the keypad will select the zone you wish to allocate the detector. e.g. Pressing No 3 on the keypad will allocate the detector to Zone 3. The control panel will then automatically allocate the detector with the next available detector number in that Zone. So, if there are no detectors allocated in Zone 3 the control panel will allocate it as detector No 1 and the next detector to be registered in Zone 3 will be allocated detector No 2 etc. To complete and save the information press PROG key.

(Also you could first fix two wires to terminal 1.2.3.4.5.6 or 7 and GND, then connect them together. Disconnect them when triggered. It is ok then to replace with a wired detector after registration.)

3.5 Checking Registration

Checking key fob and sensor registration: press the # key on the keypad, the LCD displays word TEST, Activate a detector, a bleep noise will be heard confirming the control panel has received the signal from the detector and the LCD will display the Detector registration No and its Zone allocation e.g. Activate Detector No 2 in Zone 3 the LCD will

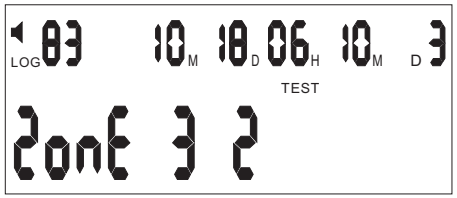


Figure 9

Press the key fob Dis-Arm will return the control panel back to normal status. Otherwise the Walk Test will Auto extinguish approximately 30 seconds after last test signal was received.

3.6 Deleting Registered Key Fobs

Deleting Registered Key Fob: Press the DELETE key on the Keypad, a series of - - - will appear on the LCD. Press the Disarm key on a current registered Key Fob or entering the preprogrammed PIN code, and the word 'DEL Sensor' will appear on the LCD.Press '0' on the numeric Key pad to select the Key Fob Zone and the LCD will display Zone 0, press the registered No of the Key Fob you wish to delete. e.g. key fob No 2, the LCD will now display Zone 0 2. Press DELETE key to delete No 2 Key Fob.

If no further actions take place the panel will automatically return to normal state after approximately 30 seconds. Otherwise at the end, press the Dis-Arm key on a registered Key Fob to return the panel to normal state.

3.7 Deleting Registered Sensors

Deleting Registered Sensors: Press the DEL key on the Keypad, a series of - - - will appear on the LCD. Press the Disarm Key on a current registered Key Fob or entering the preprogrammed PIN code, and the word 'DEL Sensor' will appear on the LCD. Press 1 to 8 on the numeric Keypad to select the Zone the detector to be deleted is allocated to. e.g. Zone 3 and the LCD will display Zone 3, press the registered No of the detector you wish to delete. e.g. detector No 2, the LCD will now read Zone 3 2. Press Delete key to delete No 2 detector in Zone 3.

If no further actions take place the panel will automatically return to normal state after approximately 30 seconds. Otherwise at the end, press Dis-Arm key on a registered Key Fob to return the panel to normal state.

3.8 The Zone Setting and Allocation

The alarm system has 8 zones which can be configured depending on your requirements. The Factory Default Zone configuration settings are as follows:

No 1 Zone Fire; No 2 Zone Panic ;

No 3 zone: Entry/Exit ; No 4 . 5 . 6 Zone Exterior Intruder;

No 7 Zone Interior Intruder ； No 8 zone Watchdog

4 USER INFORMATION:

4.1 Methods of Arming and Disarming

Arming: Arming is used to arm the whole Alarm system. All detectors in the zones within the protected area must be closed(not in alarm)in order for you to arm the system successfully.

Part Arming: Part Arming is used to partially Arm your System by arming the selected zones in the protected area,which permits persons to remain in the premises while the system is Part Armed.

Disarming:Disarms the system and deactivates any alarms in progress and disarms all the zones other than the 24 hour Zones.

4.1.1. Arming and Disarming through the Keypad on the panel

How To Arm: Pressing the ARM key on the keypad to arm the system.

How To Part Arm: Pressing the ARM Key on the Keypad for 2 seconds to Part Arm the system.

How To Disarm: Press the DISARM key on the keypad then using the Keypad again enter the pre-programmed 6 digit PIN code to complete the disarming operating.

4.1.2. Arming and Disarming through the Key Fob Remote Device

How To Arm: Press the Arm key on the Key Fob to Arm the system.

How To Part Arm: Pressing the Part Arm key on the key Fob to Part Arm the system.

How To Disarm: Press the DISARM key on the key Fob to Dis-Arm the system.

Note: The armed LED flashes to show that the delay timer is being activated for those zones with delayed time. The zones without a delayed timer is armed. When the armed LED light, it shows Arming has completed. All the exterior Zones Arm immediately when part armed, the delay timer will not work under such circumstances.

Setting the sounder cut off time: Press the PROG key on the Keypad, a series of - - - will appear on the LCD. Press the Disarm key on any current registered Key Fob or entering the preprogrammed PIN code, then the word 'Sensor' will appear on the LCD. Pressing the # key on the Keypad, the LCD will show the words 'SYS config'. Press 0 then 3 on the numeric Keypad. 03 will appear in the top left hand corner of the LCD (refer to section 3.9 for the configuration codes). Enter the required cut off time using the configuration code. The selected code will be displayed in the bottom right hand corner of the LCD. Press PROG to store this number.

If no further actions take place the panel will automatically return to normal state after approximately 30 seconds. Otherwise at the end, press the Dis-Arm key on a registered Key Fob to return the panel to normal state.

3.16 View detector's total in every zone

How To view the detector's total In a Zone: Press the Sensor key on the keypad, a series of - - - will appear on the LCD. Press the Disarm key on any current registered Key Fob or enter the preprogrammed PIN code, and the word 'DEL Sensor' will appear on the LCD. Using the *and # keys scroll through the Zones and their registered detectors. e.g. If the LCD displays: Zone 0 2 this means 2 key fobs are registered. If the LCD displays Zone 5 3 means 3 detectors are registered in the Zone 5 etc.

3.17 Speak and listen in

The function of speak and listen in: When the Panel alarms, the C.S operator or user could access the speak and listen in function of the panel by pressing the corresponding keys on the telephone keypad, then the user or operator could know what is going on within the premise.(the MIC & SPEAK inside the panel)

3.18 record & playback the private voice

Function: When the panel alarms, it will auto dial the user telephone numbers After the user press the * to confirm, he can listen to the recorded alarming message, which informs the user what happens. The user can press 9 to replay the message.

How to record/play the message: In the disarmed status, press the OGM and hold it for 2 seconds. The panel LCD will display COPY.At this time, you can record the alarming message now. The recording time is 12 seconds. Press OGM, you can hear the recorded message.

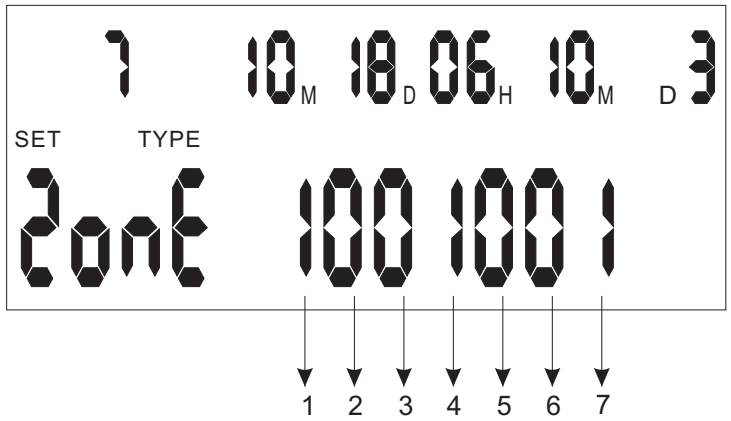
How to allocate and set zones: Press the PROG key on the Keypad, a series of - - - will appear on the LCD. Press the Disarm key on any current registered Key Fob or entering the preprogrammed PIN code, and the word 'Sensor' will appear on the LCD. Pressing the * key on the Keypad, the LCD will show the words 'Zone type', pressing No1 to 8 numeric key to select corresponding zone, then pressing the 0 or 1 numeric Keypad to configure all the fields in this zone. At the end, press the PROG key to complete and save operation.

By way of example, below is configured as follows:

Zone 7 selected is a Watchdog Zone programmed without entry or exit time, it's a 24 hour .

Zone with silent when alarming, its an internal detector and there are sensors allocated to it.

Zone 7 selected



1	1:watchdog zone	0:not a watchdog zone
2	1:exit delay	0:no exit delay
3	1:entry delay	0:no entry delay
4	1:24 hours zone	0:not 24 hours zone
5	1:sounder when alarming	0:silent when alarming
6	1:armed zone	0:part armed zone
7	1:sensor in the zone	0:no sensor in the zone (disabled)

Figure 10: zone type configuration

N.B. For a more detailed example refer to section 5. Zone Configuration and Explanation. If no further actions take place the panel will automatically return to normal state after approximately 30 seconds. Otherwise at the end, press the Dis-Arm key on a registered Key Fob to return the panel to normal state.

3.9 The System Configuration Setting

How To set system configuration: Press the PROG key on the keypad, a series of - - - will appear on the LCD. Press the Disarm key on any current registered Key Fob or entering the preprogrammed PIN code, and the word 'Sensor' will appear on the LCD. Pressing the # key on the Keypad, the LCD will show the words 'SYS Config', pressing 0 to 9 on the numeric Keypad to select each Configuration Field Code from 00 to 17 in succession and configure each field as required. At the end, press the PROG key to save, store the information and exit.

If no further actions take place the panel will automatically return to normal state after approximately 30 seconds. Otherwise at the end, press the Dis-Arm key on a registered Key Fob to return the panel to normal state.

Configuration Codes

00: C.S. Comms. 11= send out information about arming, disarming and alarms; 10 = only send out the alarm information; 00= not net work Default:00

01: Exit delay time. The time is double-digit (XX). The actual time is the product of XX times 5. The initialization value is 04 = 20 seconds.

02: Entry delay time (delay alarm). The time is double-digit (XX). The actual time is the product of XX times 5. The initialization value is 06 = 30 seconds.

03: Sounder run time. The time is double-digit (XX). The actual time is the product XX times 20. The initialization value is 06 = 120 seconds.

04: Watchdog time. The unit time is hours. The factory default value is 12hours.

05: Watchdog start and stop time window. Default setting is from 8:00 to 20:00.

06: Set time to Arm. Press * or #, selec the time point(6 time points in all) enter the time desired. To cancel this set, press Delete key. Refer to figure 11.

07: Set time to Dis-Arm. Press * or #, select the time point(6 time points in all) enter the Time desired. To cancel this set, press Delete key. Refer to figure 12.

3.14 Setting Entry and Exit delay timer

Exit Delay Timer: In order to provide a user with enough time to leave the premises, an EXIT DELAY TIMER will commence timing when a user arms the system, The timer will last anywhere from 1 to 255 seconds depending on time selected when configuring the system.

How to set the Exit delay time: Press the PROG key on the Keypad, a series of - - - will appear on the LCD. Press the Disarm key on any current registered Key Fob or entering the preprogrammed PIN code, and the word 'Sensor' will appear on the LCD. Pressing the # key on the Keypad, the LCD will show the words 'SYS config'. Press 0 then 1 on the numeric Keypad. 01 will appear in the top left hand corner of the LCD (refer to section 3. 9 for the configuration codes). Enter the Required Exit Time using the configuration code. The selected code will be displayed in the bottom right hand corner of the LCD. Press PROG to store this number.

If no further actions take place the panel will automatically return to normal state after approximately 30 seconds. Otherwise at the end, press the ESC on the keypad or the Dis-Arm key on a registered Key Fob to return the panel to normal state.Entry Delay timer:Designated entry points (i.e. front door and may be back door) are subject to an Entry Delay Time any where from 1 to 255 seconds depending on time selected when configuring the system.

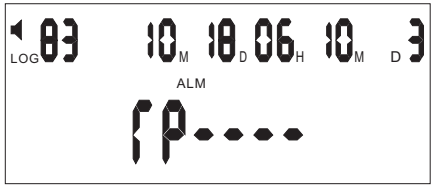
This delay provides a user with enough time to enter the armed premises and disarm the system before an alarm is triggered.

How To Set Entry Delay Timer: Press the PROG key on the keypad, a series of - - - will appear on the LCD. Press the Disarm key on any current registered Key Fob or entering the preprogrammed PIN code, and the word 'Sensor' will appear on the LCD. Pressing the # key on the Keypad, the LCD will show the words 'SYS config'. Press 0 then 2 on the numeric Keypad. 02 will appear in the top left hand corner of the LCD (refer to section 3. 9 for the configuration codes). Enter the required entry time using the configuration code,the selected code will be displayed in the bottom right hand corner of the LCD. Press PROG to store this number.

If no further actions take place the panel will automatically return to normal state after approximately 30 seconds. Otherwise at the end, press Dis-Arm key on a registered Key Fob to return the panel to normal state.

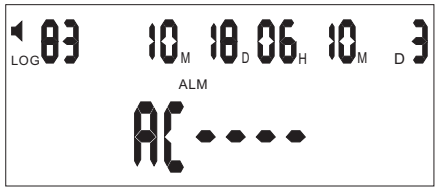
3.15 Sounder cut off time

The sounder cut off time is the time permitted for the sounder to sound when an alarm activation takes place. This can be from 1 to 1980 seconds, or do not stop until the C.s or user confirm it, depending on time selected when configuring the system.



FP---- ALM ：tamper alarm

Figure16: The LCD display when there is a tampered alarm



AC---- ALM ：main power fail alarm

Figure17: The LCD display when the power fails

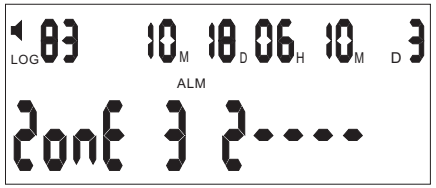


Figure18: The LCD display when the wireless detector is alarming

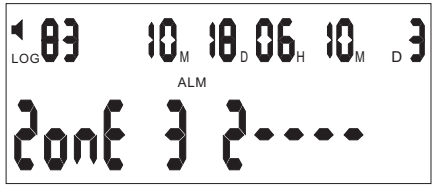


Figure19: The LCD display when the wired detector is alarming

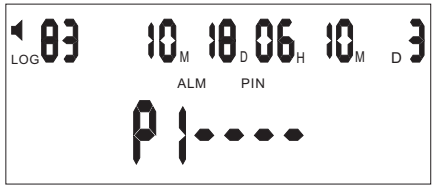


Figure 20:The LCD display when the PIN code is entered wrong for 3 times.

08: Set time and date (the time is set by gsm SMS, can not be set manually)

09: PIN code set, this a 6 Digit Code for the Remote Access, Keypad Dis-Arm. Enter the required PIN No using the numeric Keypad on the panel. Cancel the PIN using the Delete key on the panel. Default PIN: 123456

10: Set number of ringing in times before answer. Cancel this set using Delete key on the panel. When the PIN code or the number of ringing is not set, the panel couldn't have Remote access; Default : 9

11. Arming with sounder ON/OFF 0: no sounder when arming 1: sounder when arming

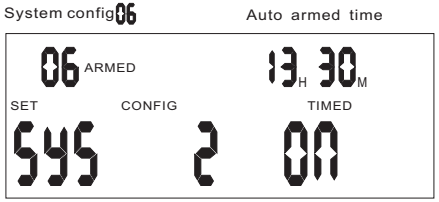
12: Two way communication ---Speak: 0: No 1: YES. Default: 0
When SPEAK is required, within 2.5 seconds after transmitting data to the C.S, the Panel. Will receive the SPEAK request from C.S. If it is not required, the panel hangs up automatically

13: Engineer Option. Listen to dial out DTMF. 0 = NO : 1 = YES. This option will Automatically extinguish when the panel is closed or on the hour. Default:NO

14: Mains Fail alarm. 0 = NO ; 1 =YES Default: NO

15: Exit delay timer with beep on/off 0:off 1: on Default: on

16: Phone line cut alarm: The panel will automatically check the line and alarm when It Detects it is not ok. 0: NO 1: YES. Default: NO



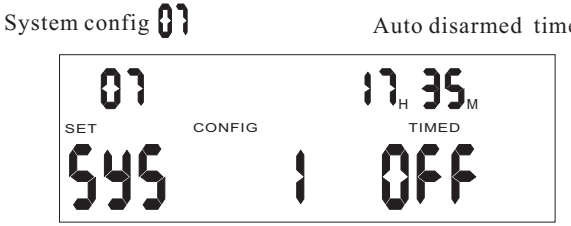
The second auto armed Auto armed

The second auto armed：press * or # to select the 1– 6

ARMED：default

PART ARMED：press the arm key to select ARMED or PART ARMED

Figure11: The second auto armed time is at 13:30



The first auto disarmed Auto disarmed

The first auto disarmed：press * or # to select the 1--6

Figure12: The first auto disarmed time is at 17:35.

3.10 The Phone Numbers Setting

How To Set Phone Number: Press the PROG key on the Keypad, a series of - - - will appear on the LCD. Press the Disarm key on any current registered Key Fob or entering the preprogrammed PIN code, and the word 'Sensor' will appear on the LCD. Pressing the * key on the Keypad, the LCD will show the words 'Zone type'. Pressing the # key on the Keypad, the LCD will show the words 'SYS phone'. Press No 1 on the numeric Keypad. Enter the full phone number of the Central Station Comms.and press PROG to store this number. Pressing * then # scroll back down to 'SYS phone' Press No2 on the numeric Keypad. Enter the full phone number of the Central Station secondary number for comms using the numeric keypad on the panel, then Press PROG to store this number. The No 1 and 2 are for C.S. Phone numbers, No 3 to 6 are for personal numbers. If not networking, No 1 and 2 can also be set with personal numbers.

If no further actions take place the panel will automatically return to normal state after approximately 30 seconds. Otherwise at the end, press the Dis-Arm key on a registered Key Fob to return the panel to normal state.

3.11 The C.S. Account Code Setting

How To Set C. S. Code: Press the PROG key on the numeric Keypad, a series of - - - will appear on the LCD.

Press disarming key on any current registered key fob or entering the preprogrammed PIN code, and the word 'Sensor' will appear on the LCD. Pressing the * key on the Keypad, the LCD will show the words 'Zone type'. Pressing the # key on the Keypad, the LCD will show the words 'SYS phone'. Press No 7 key on the keypad, the Panel will access the location of the C.S. account code. Enter the account code using the numeric keypad on the panel, this is normally a **4** Digit Code called site code. Press 'Prog' key to store the programmed number.

If no further actions take place the panel will automatically return to normal state after approximately 30 seconds. Otherwise at the end, press the Dis-Arm key on a registered Key Fob to return the panel to normal state.

3.12 Deleting Zones

How To Delete a Zone: There are two ways to delete a zone

A: Delete all the detectors within the zone.

Press the DELETE key on the keypad, , a series of - - - will appear on the LCD. Press the Disarm key on any current registered Key Fob or entering the preprogrammed PIN code and the word 'DEL Sensor' will appear on the LCD. Pressing the 0 then 1 key on the Keypad to select the Zone number of the detector or Key fob that needs to be deleted. e.g. select 3 on.

Keypad, the LCD will display 'Zone 3'. Using the numeric Keypad select the number of the detector requiring to be deleted. e.g. Detector No 4 in Zone 3. The LCD will now display 'Zone 3 4'. Press DELETE and the detector will be deleted from memory.

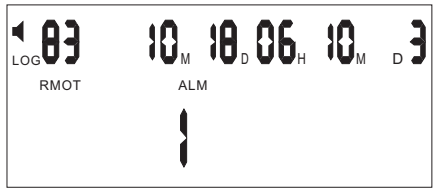
B: Enter the location of zone type setting, set the No 7 field to 0, refer to 3.8 figure 10.

3.13 Viewing The Recording Event Log

Events refer to occurrences taking place within your s ystem, such as, which key Fob Armed or Dis-Armed the system and when. If an alarm occurred which detector in which Zone activated the alarm and when.

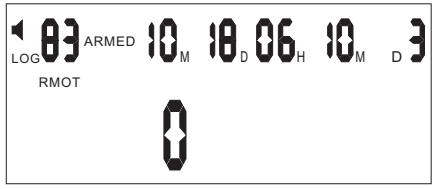
How To View the event record: press the * key on the keypad, the panel LCD will show the latest event, using the * and # keys to look over previous events, times and information.

Note: the top line always shows the latest event information.



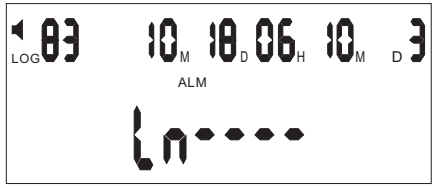
RMOT ALM : remote panic alarm

Figure13: The LCD display when there is a panic alarm from remote



RMOT ARMED : keypad armed

Figure14: The LCD display when the panel is armed by keypad



ALM : phone line cut_off alarm

Figure15: The LCD display when the phone line is cut